

DIGITAL SCIENCE LESSONS

LISTEN & LEARN

6 AUDIO NARRATED LESSONS

Narrated slides enable independent learning

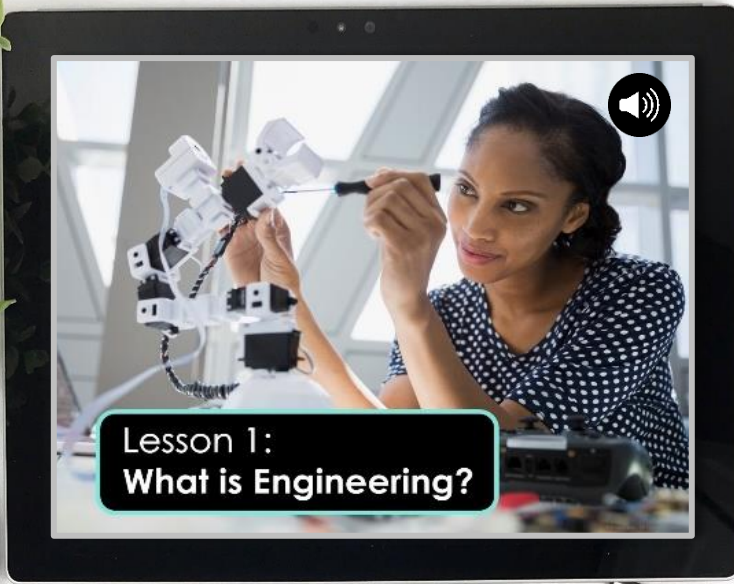
- What is Engineering?
- The Engineering Design Process
- What is Technology?
- Natural & Man-Made Materials
- Engineering Inspired By Nature
- Designing Solutions



ENGINEERING
DESIGN

EACH LESSON INCLUDES:

- Narrated lesson slides
- Science journal activity slides
- Exit tickets in 2 formats
- Turn & talk partner questions
- Interactive center activity



Natural objects
Some natural materials come from living things. Sweaters and socks can be made from wool.

How do we use technology at school?

How can technology keep people safe?
Some technology is designed to keep us safe. Bike helmets are designed...

There are many kinds of engineers.
There are many types of engineers. They study and work in all areas of life. Each kind of engineer has special...

What is technology?
Technology makes people's lives easier. It can help us do things...

What is engineering?
Engineering is the process of creating a solution to solve a problem. The people who do this are called engineers.

What is biomimicry?
"Bio" means life and "mimicry" means to imitate. Biomimicry means to imitate life or nature. Engineers observe nature in action and use that knowledge to inspire new ideas. People...

LESSON 1 TALK ABOUT IT
What is engineering?
Talk with your partner and compare a blueprint to a scientific drawing. How are they the same and different?

Imagine
Think of your own ideas. The more ideas you have, the better. Be creative and think of solutions. Work as a team. Think about every idea. Do your best.


LESSON 1 JOURNAL
Write About It
Complete Lesson 1 in your science journal.


LESSON 1 QUICK CHECK
blueprints solution diagrams
Fill in the Blank


The Engineering Design Process
There are 5 key steps in the design process.

The Engineering Design Process
What is the engineering design process?
The engineering design process is a series of steps.


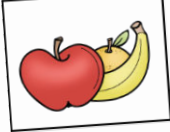
LESSON RESPONSE ACTIVITIES

 **Lesson 4 Natural & Man-made Materials**



 What are natural materials?
Type here


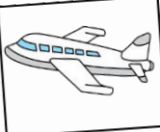
 Move the pictures to the correct space.

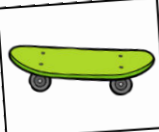

Natural Objects


 

Man-made Objects



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Interactive
journal
activities on
Google Slides™
for each lesson

with
moveable
pieces

DIGITAL CENTER ACTIVITIES

Reinforce SCIENCE CONTENT

The engineering design process is a series of _____ to guide engineers.

- A. workers
- B. blueprints
- C. steps
- D. people



Practice MATH & LITERACY SKILLS

Environmental engineers track the life span of frogs and toads. Frogs can live up to 7 years. Toads can live up to 12 years. How much longer can toads live than frogs?

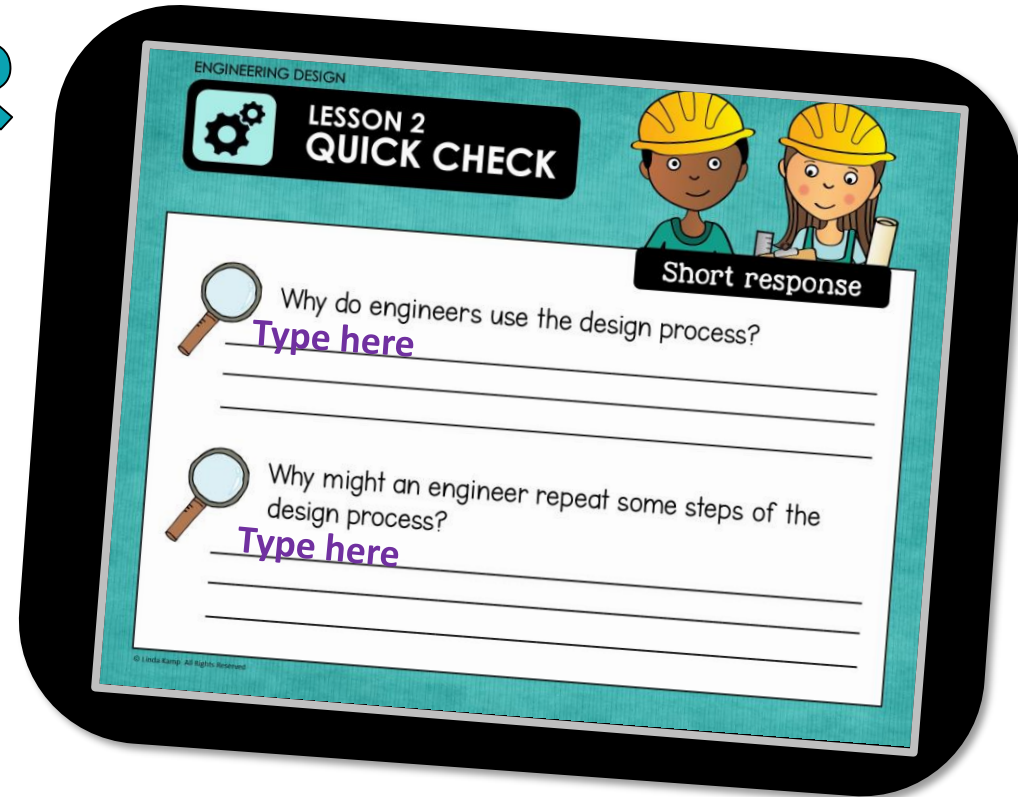
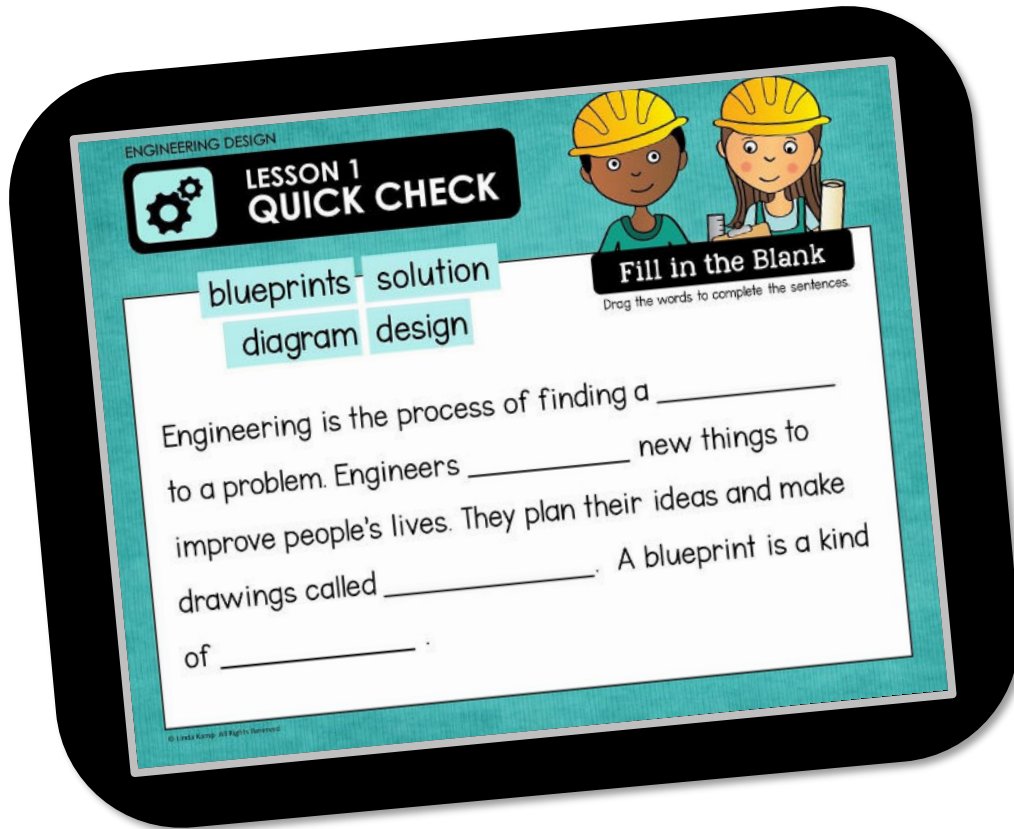


Check your answer

Practice games with
moveable pieces

ASSESSMENT MADE EASY

TYPE YOUR ANSWER
Short response quizzes



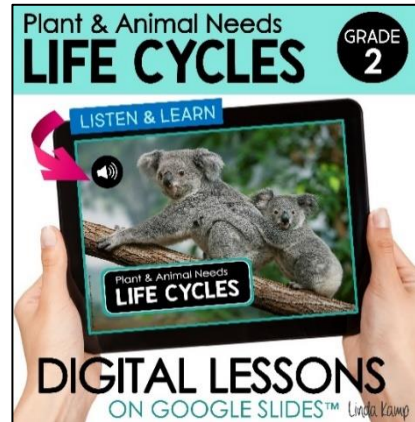
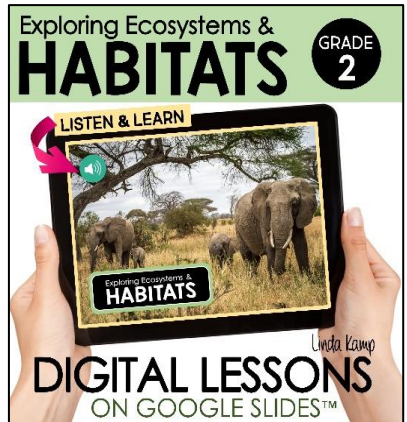
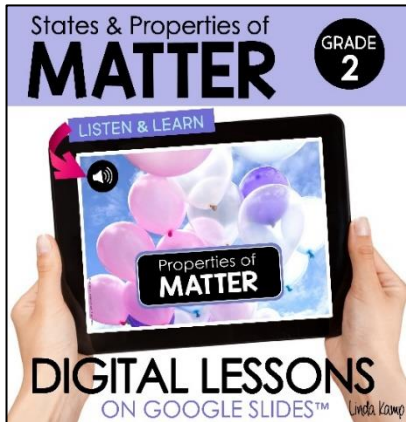
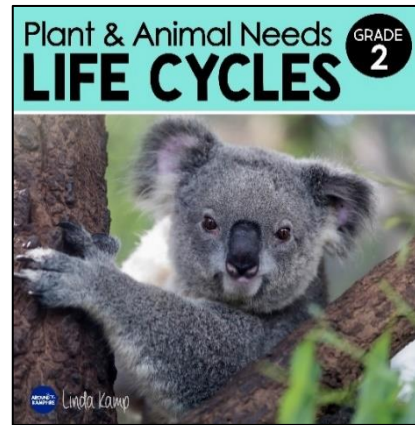
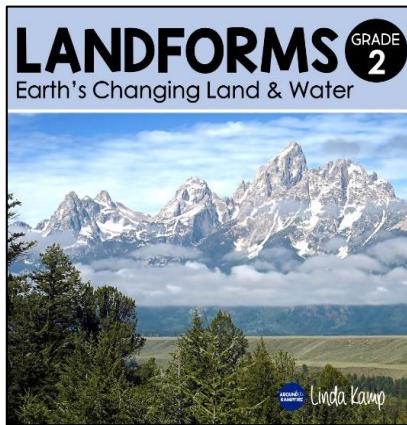
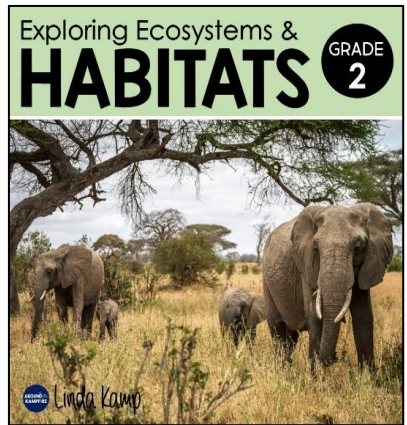
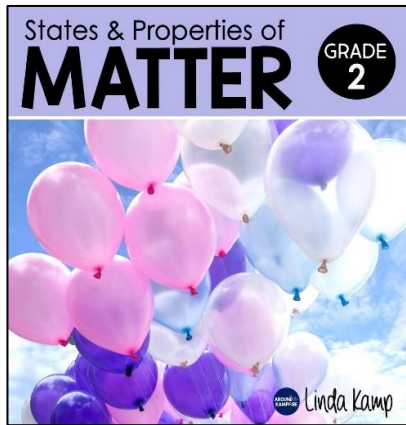
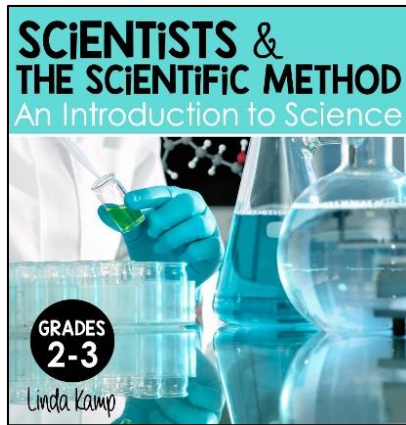
DRAG & DROP
Fill in the blank quizzes

Digital unit test & answer keys included



Build a science foundation!

See the entire series [CLICK HERE](#)



Second Grade Science